



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Sunday, July 16, 2017

Issued: 0800 CT

**Day 1 Hazards:** No significant weather expected.

**National Weather Service**

*Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX*



**Prepared by: Jennifer McNatt  
817-978-1100 x 147**

# Key Points



## Today through Thursday

- No significant weather expected

## Space Weather Today

- G1 (Minor) Storm conditions observed; G2 (Moderate) warning issued
  - Primary area of impacts is poleward of 55 deg geomagnetic latitude
  - Possible effects include power grid fluctuations, and aurora may be visible as low as New York to Wisconsin to Washington state







## Tropical Weather Outlook

- A low pressure trough located about 1000 miles E-SE of the Windward Islands may slowly develop over the next few days as it moves westward
  - Formation chance through 48 hours...low...20 percent
  - Formation chance through 5 days...medium...40 percent

# \*FEMA Region 6 Threat Matrix

Jul 16, 2017 - Jul 20, 2017

	SUN	MON	TUE	WED	THU
Severe Weather					
Heavy Rain / Flash Flooding					
Heat					
River Flooding					
Tropical Weather					

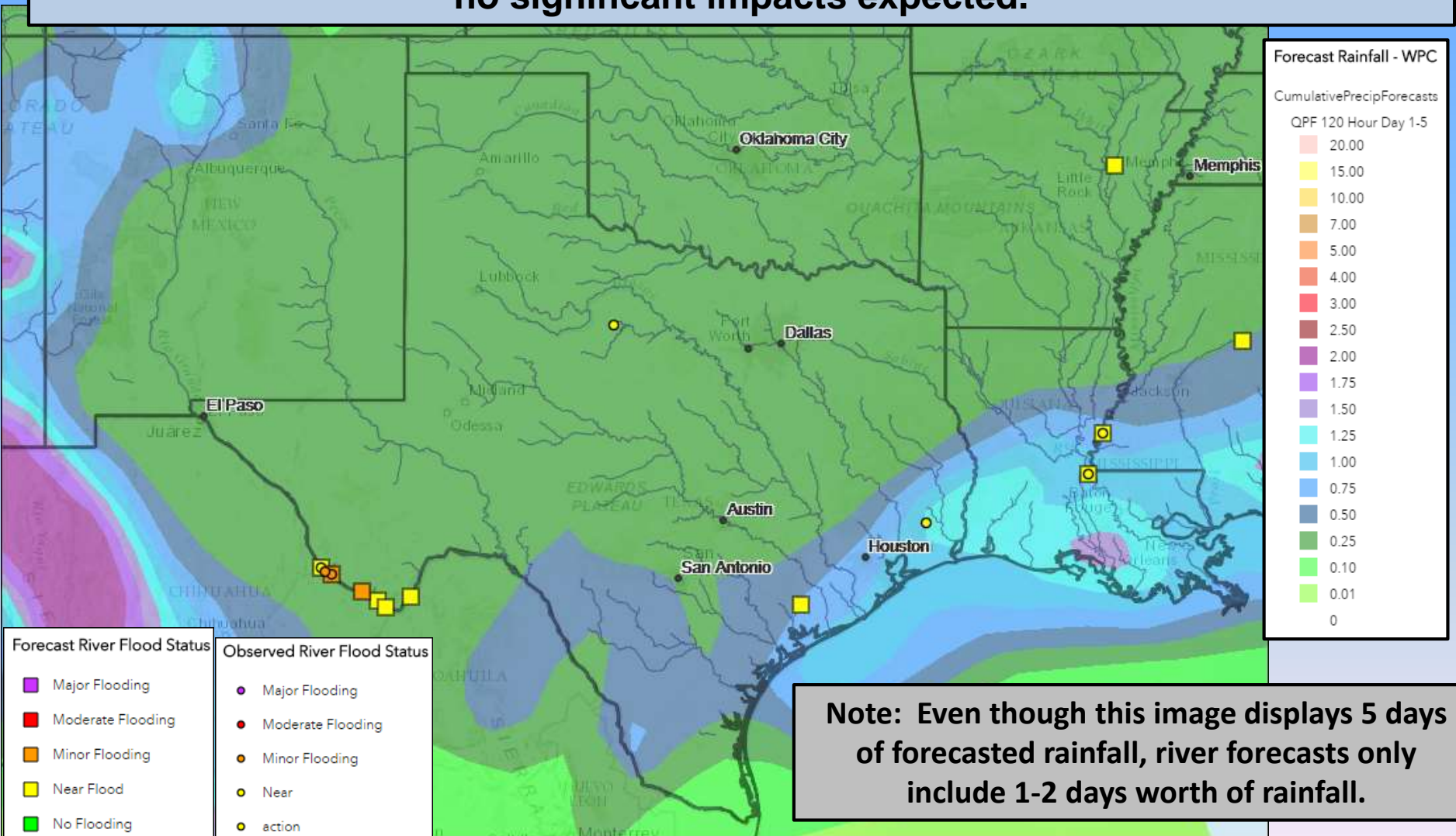
-  No Weather Threats Expected
-  Very Common – Happens Often
-  Common – Happens Frequently
-  Uncommon – A Few Times a Year
-  Rare – Once Every 1-5 Years
-  Very Rare – Once Every 5-10 Years

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 5-Day Precipitation Forecast & River Flood Status

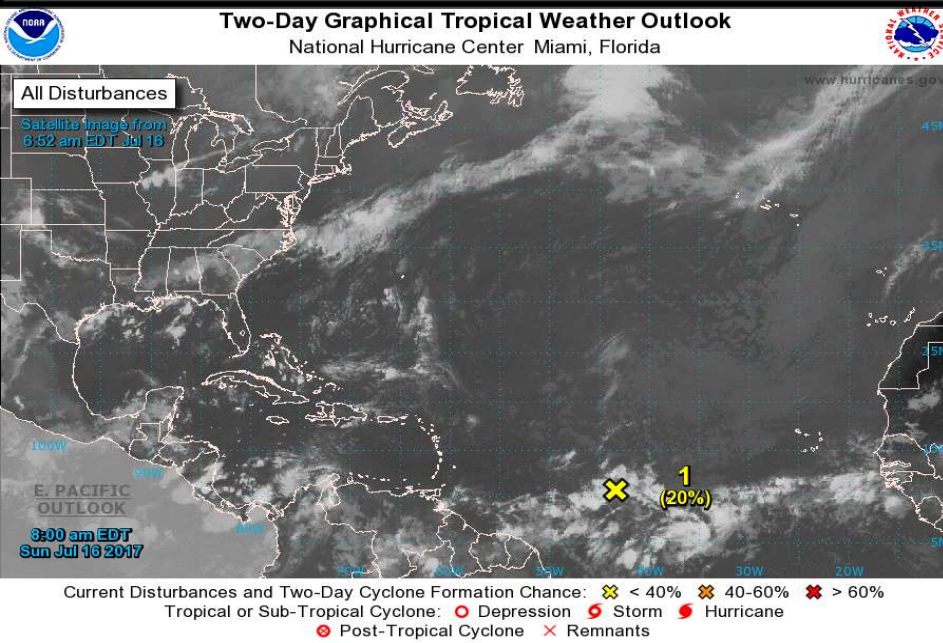
Minor flooding is occurring along the Rio Grande near Presidio and Big Bend; no significant impacts expected.



For the latest on river flooding: <http://water.weather.gov/ahps>



# Tropical Weather Outlook



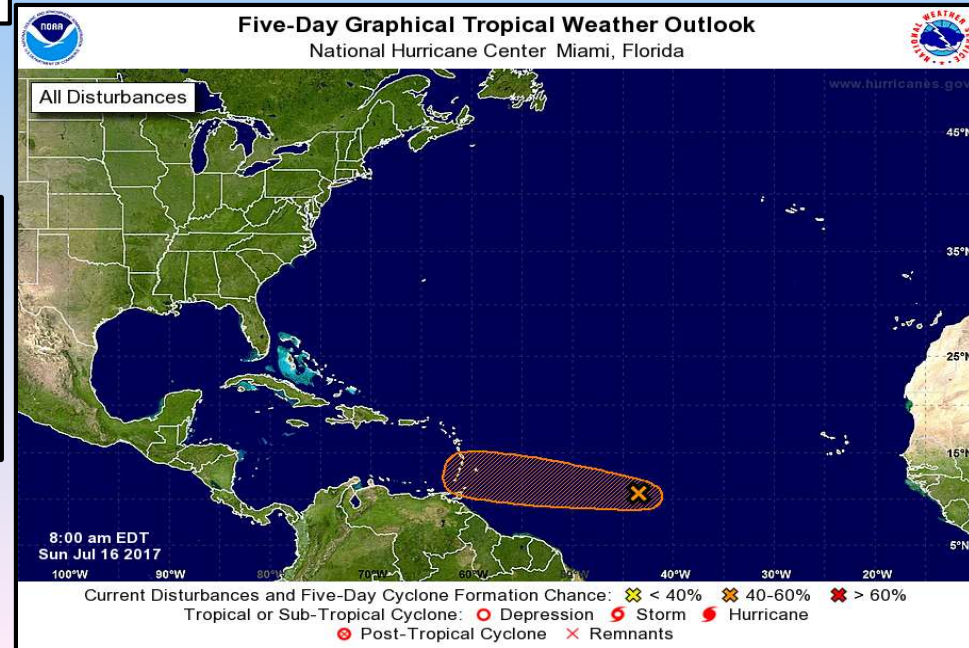
A low pressure trough located about 1000 miles E-SE of the Windward Islands is producing disorganized showers and thunderstorms.

Although this system is close to dry air, some slow development is possible over the next few days while the system moves westward at 15-20mph.

An Air Force Reserve reconnaissance aircraft is scheduled to investigate the disturbance Monday afternoon, if necessary.

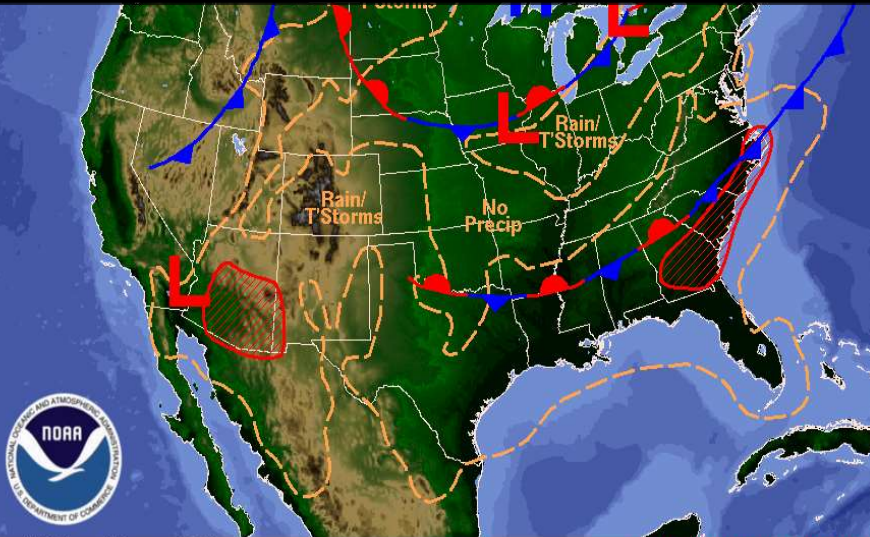
Formation chance through 48 hours...low...20%.

Formation chance through 5 days...medium...40%.



# Today's Weather

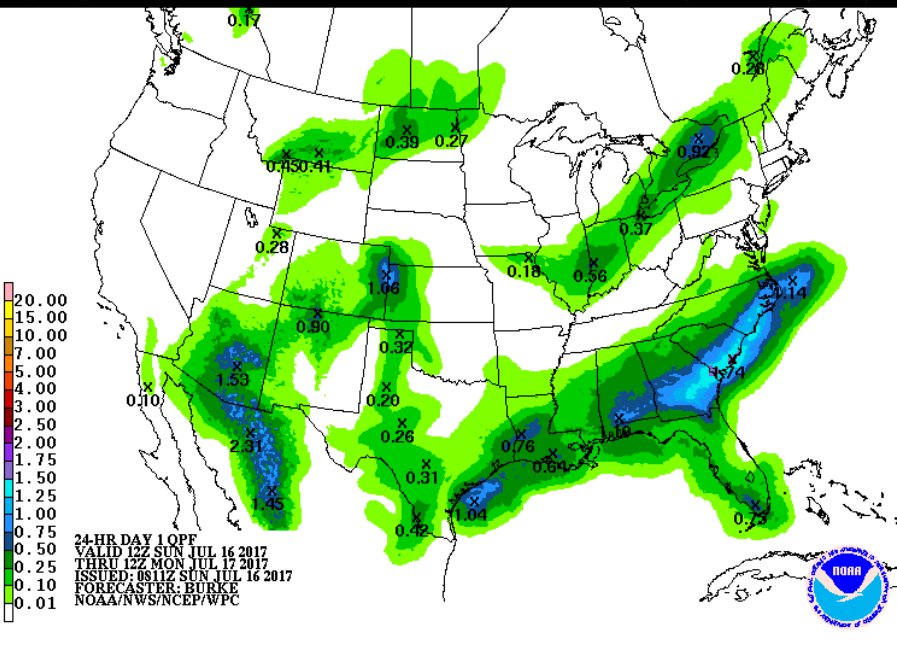
No significant weather expected.



Day 1 National Forecast Chart

Valid Sun, Jul 16, 2017, issued 4:54 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Tate with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)





# Tomorrow's Weather

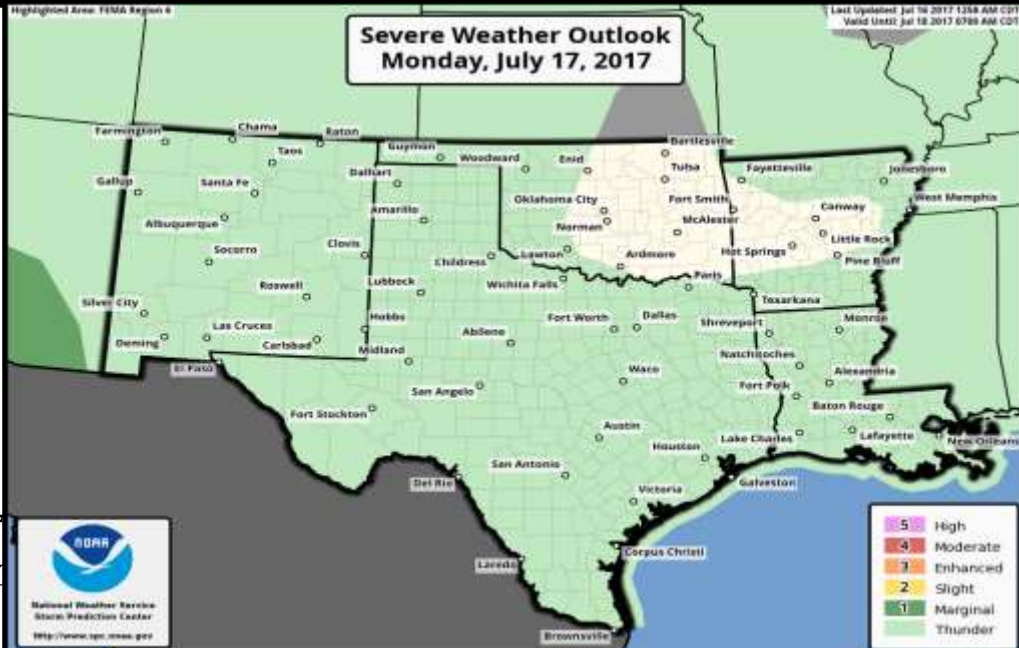
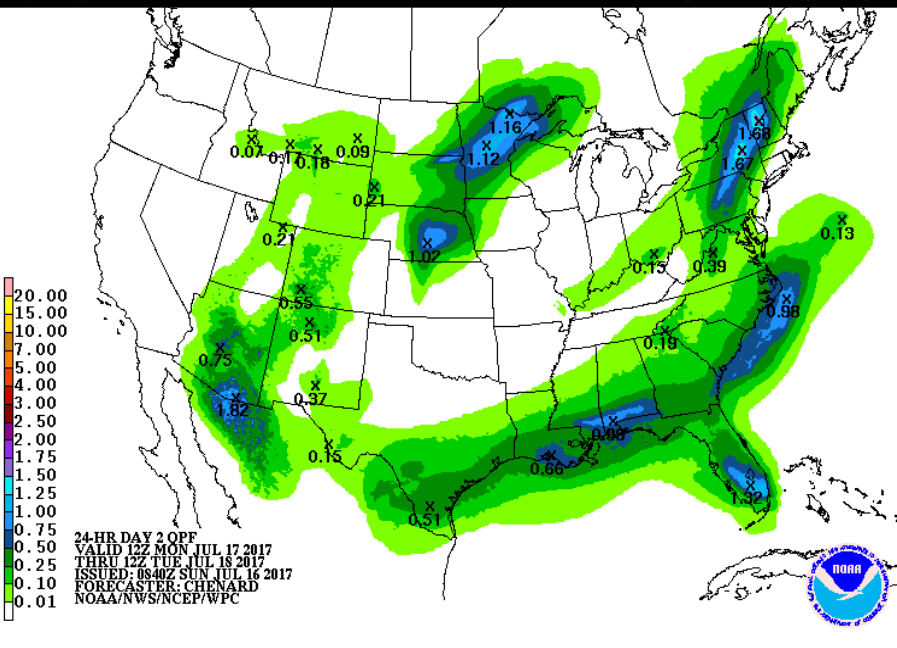
No significant weather expected.



## Day 2 National Forecast Chart

Valid Mon, Jul 17, 2017, issued 4:58 AM EDT Sun, Jul 16, 2017  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Tate with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



# Tuesday's Weather

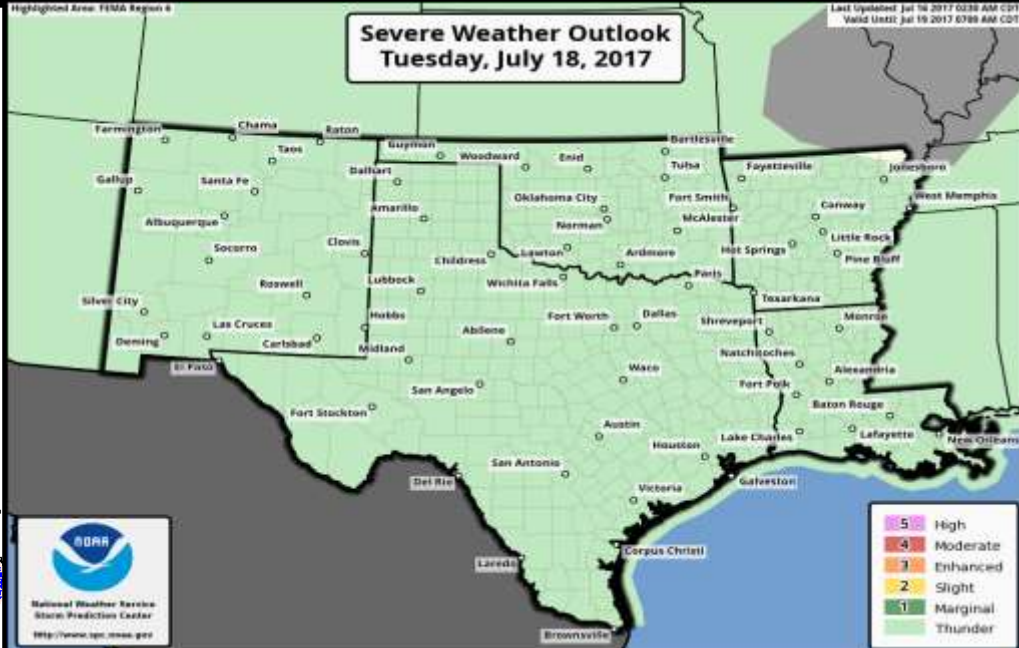
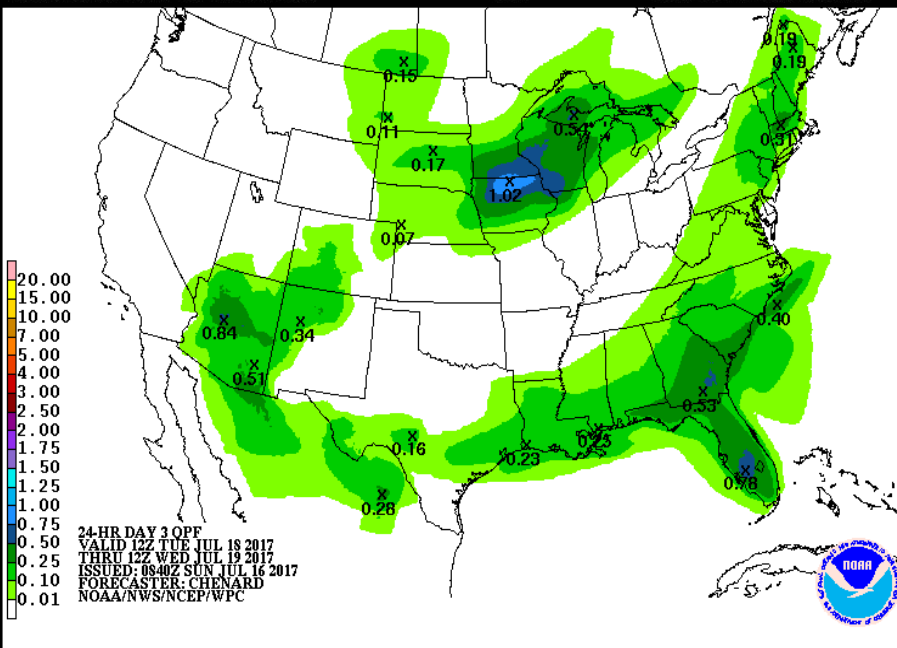
No significant weather expected.



## Day 3 National Forecast Chart

Valid Tue, Jul 18, 2017, issued 5:00 AM EDT Sun, Jul 16, 2017  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Tate with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)











# Day 4-5 Weather Hazards

Valid: 0800 Wed - 0800 Fri



**No significant weather impacts expected.**

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

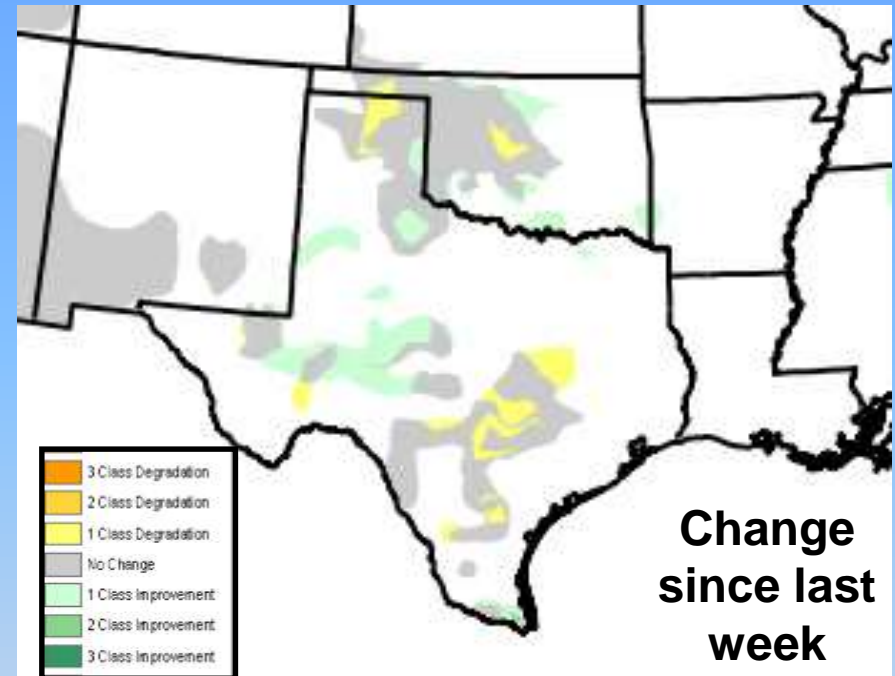
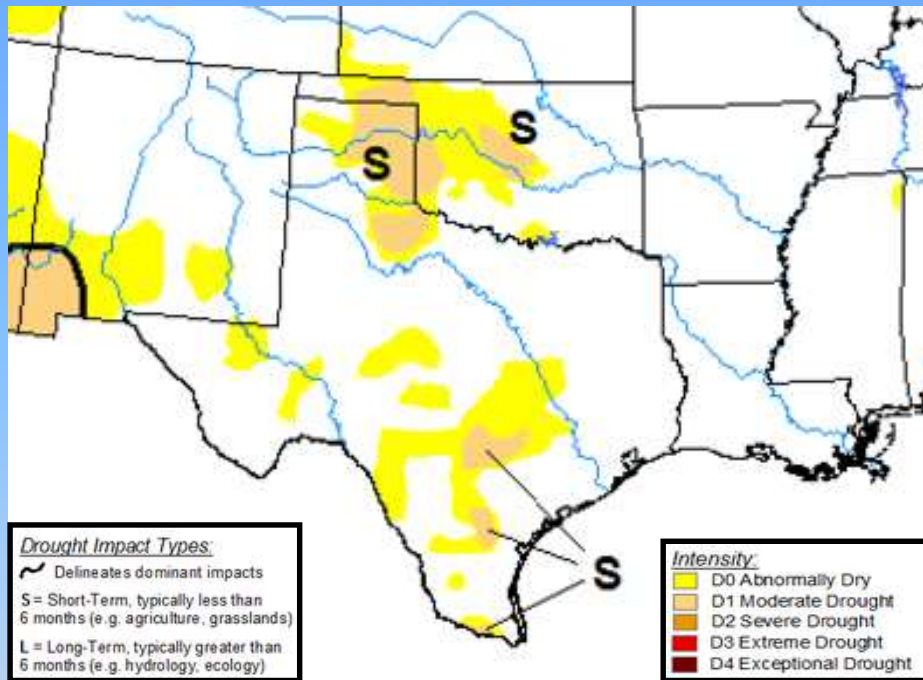
\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.





# Drought Monitor Released July 13, 2017

Data valid as of 7am CST, Tuesday, July 11, 2017



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	0.00%
Arkansas	0.00%	0.00%	0.00%	0.00%
Texas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	0.00%	0.00%

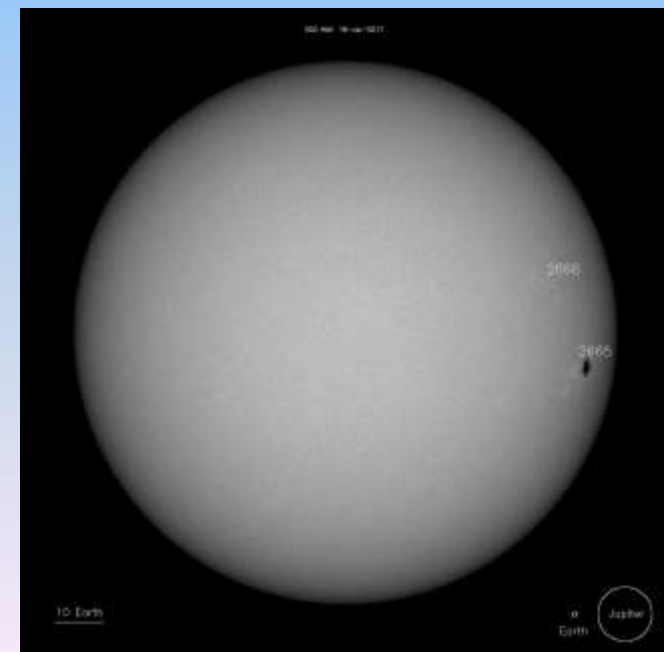
# Space Weather 3-Day Forecast



	Sunday	Monday	Tuesday
Geomagnetic Storms	Moderate (G2) Storm (Max Kp = 6)	Minor (G1) Storm (Max Kp = 5)	Unsettled to Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	55%	30%	30%
Radio Blackout (R1-R2)	30%	30%	30%
Radio Blackout (R3-R5)	5%	5%	5%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Moderate Geomagnetic Storm Warning Valid: 16/1040-1800 UTC

## PRIMARY AREA of IMPACTS

Poleward of 55 deg geomagnetic latitude

## POSSIBLE EFFECTS

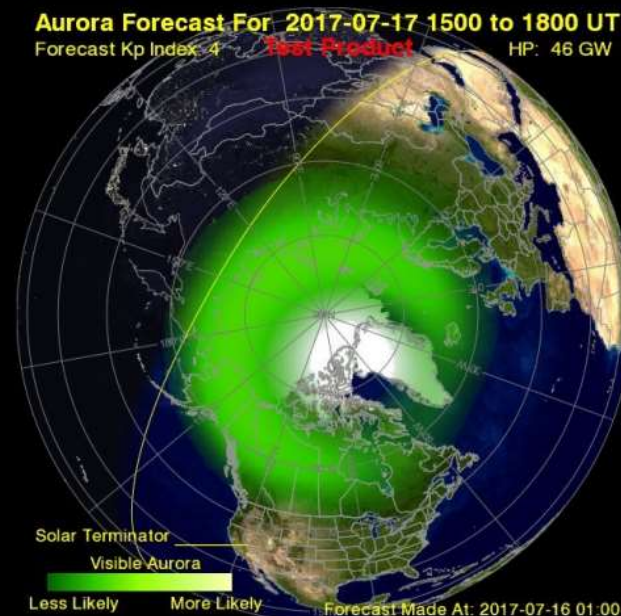
**Power Systems:** Power grid fluctuations; voltage alarms at higher latitudes

**Spacecraft:** Orientation irregularities; increased drag on low-Earth orbiters

**Radio:** high-latitude HF propagation fades

**Other:** Aurora may be visible as low as New York to Wisconsin to Washington state

**Aurora Forecast For 2017-07-17 1500 to 1800 UT**  
Forecast Kp Index: 4 ~~Test Product~~ HP: 46 GW



Solar Terminator

Visible Aurora

Less Likely

More Likely

Forecast Made At: 2017-07-16 01:00 L



Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (682) 703-3747 **\*New Direct Number**  
E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)  
Web: <http://www.weather.gov/srh> (**NEW link!!**)

**facebook**

<https://www.facebook.com/NWSSouthern>

**twitter**

@NWS\_Southern\_US [https://twitter.com/NWS\\_Southern\\_US](https://twitter.com/NWS_Southern_US)

# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>